

REMARKS

Claims 26, 28-30, 32-46, and 48-52 are pending herein.

1. Claims 26, 28-30, and 32-46 and 48-50 were rejected under 35 U.S.C. 112, first paragraph. The PTO states that phrases “including first and second gas channels,” and “located between the first and second gas channels” are new matter and not supported by the specification. Foremost, a plurality of gas channels inherently includes at least a first and a second gas channel. Additionally, the embodiment shown in FIG. 3 includes six gas channels (gas holes 316) and a coolant channel located between first and second gas channels. Support for the amended claims may be drawn from the figures (see MPEP 2163.02). Accordingly, withdrawal of the 35 USC 112, first paragraph rejection is respectfully requested.

2. Claims 26, 28-30, and 32-46 and 48-50 were rejected under 35 U.S.C. 103(a) as being unpatentable over Iijima et al (2001/0006042) in view of Vaidya et al (US 5076203). The rejection is respectfully traversed for the following reasons.

The claimed invention is drawn to a process for continuous deposition of a coating on an HTS tape. Claim 26 particularly calls for gas channels extending having a substantially uniform width. Claim 48 particularly calls for gas channels having substantially straight centerline extending along substantially the entire length.

The PTO continues to rely upon Iijima et al. to allegedly teach the main features of the claimed invention. However, Iijima et al. do not teach or suggest injecting gas through gas channels of the substrate block. The PTO has apparently relied upon Vaidya et al. to allegedly overcome this deficiency.

Vaidya et al. fail to disclose or remotely suggest gas channels having either a substantially uniform width or a substantially straight centerline extending along substantially the entire length. Rather, Vaidya et al. disclose supplying gas through a porous block. While the porous block allows the gas to flow from the gas channels to the surface of the substrate block, the interconnected passages of the porous material are not

uniform in width and are not straight along substantially the entire length. As such, Vaidya et al. do not disclose or remotely suggest gas channels extending having a substantially uniform width or gas channels having substantially straight centerline extending along substantially the entire length.

For at least the forgoing reasons, Applicants respectfully submit that the presently claimed invention would not have been anticipated by Iijima et al. in view of Vaidya et al. Accordingly, withdrawal of the 35 U.S.C. 103 rejection over Iijima et al. in view of Vaidya et al. is respectfully requested.

Applicants respectfully submit that the present application is now in condition for allowance. Accordingly, the Examiner is requested to issue a Notice of Allowance for all pending claims.

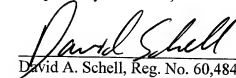
Should the Examiner deem that any further action by the Applicants would be desirable for placing this application in even better condition for issue, the Examiner is requested to contact Applicants' undersigned attorney at the number listed below.

The Commissioner is hereby authorized to charge any fees, which may be required, or credit any overpayment, to Deposit Account Number 50-3797.

Date

8/18/08

Respectfully submitted,



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